

FIG. 1

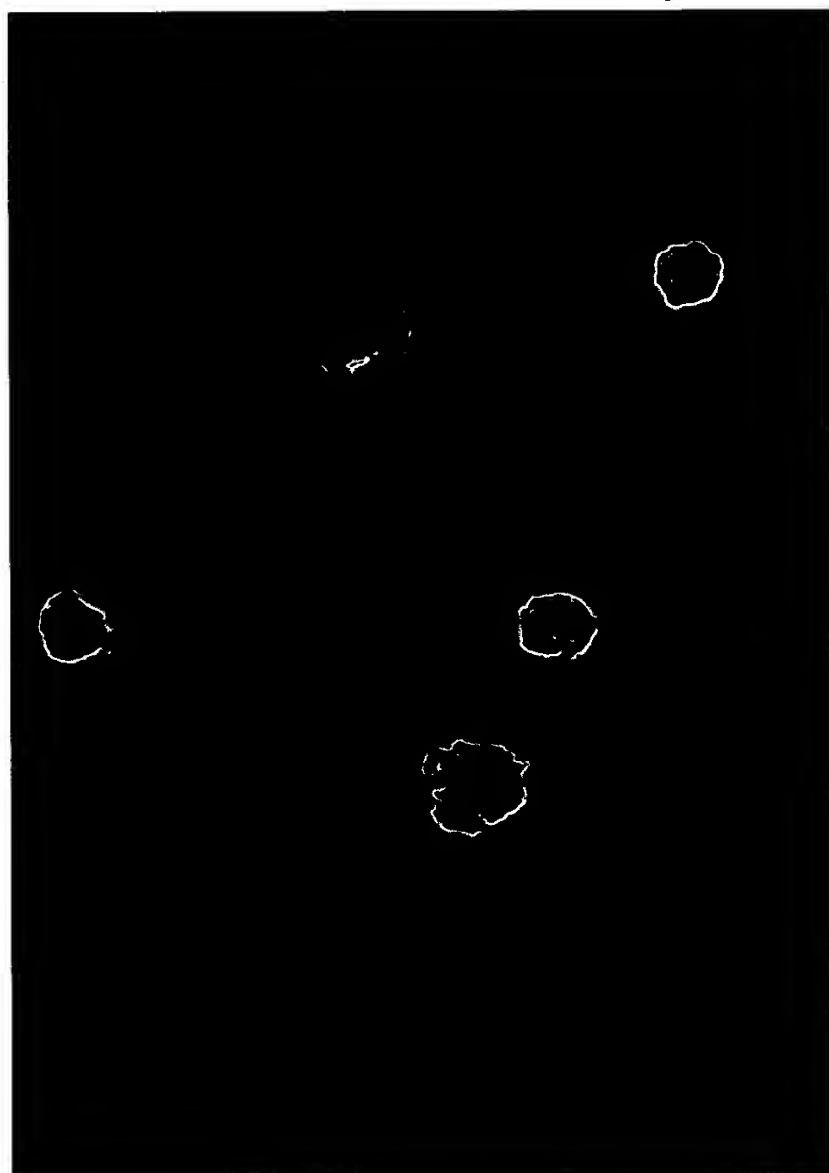


FIG. 2

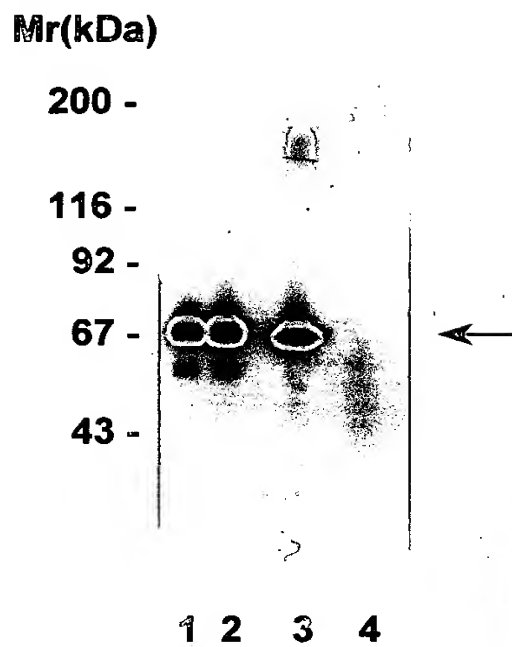


FIG. 3

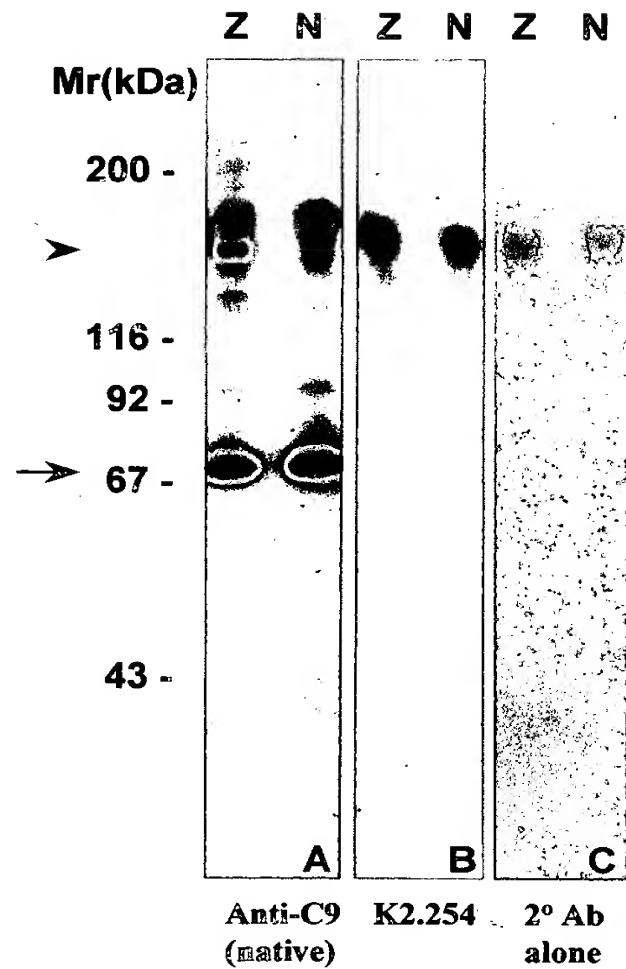


FIG. 4

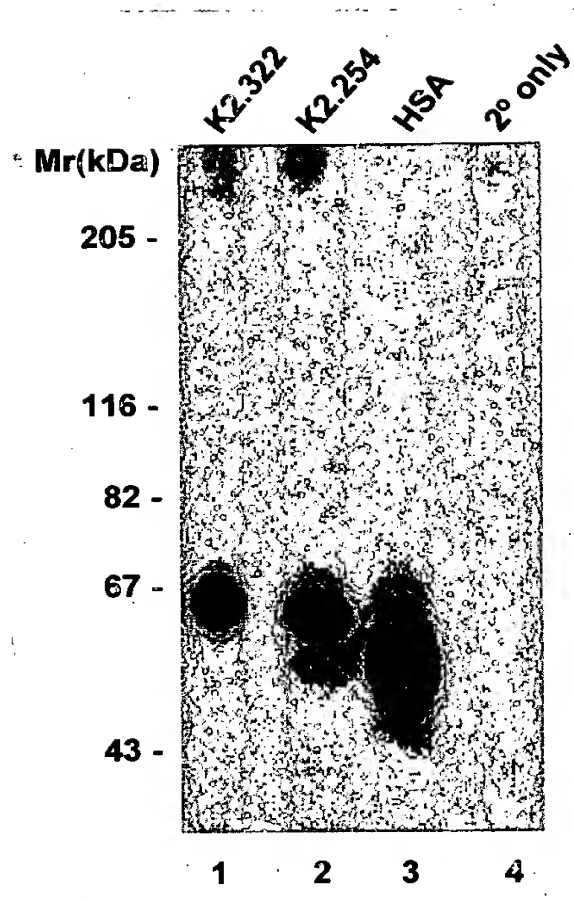
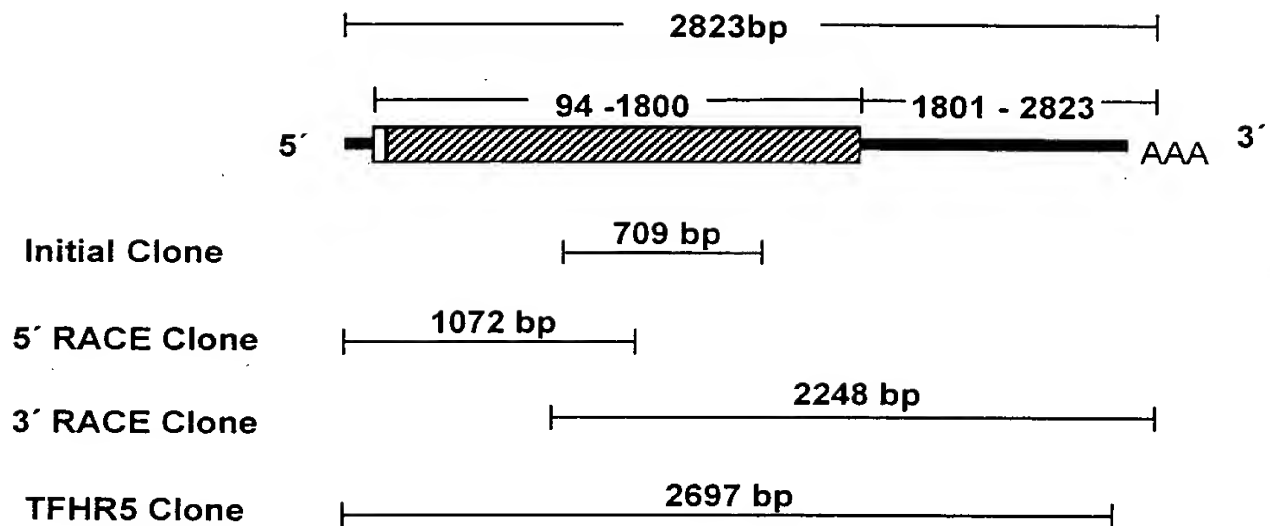


FIG. 5



**FIG. 6**

HOMOLOGY WITHIN THE hFH FAMILY  
 == Decay accelerating + Co-factor activity

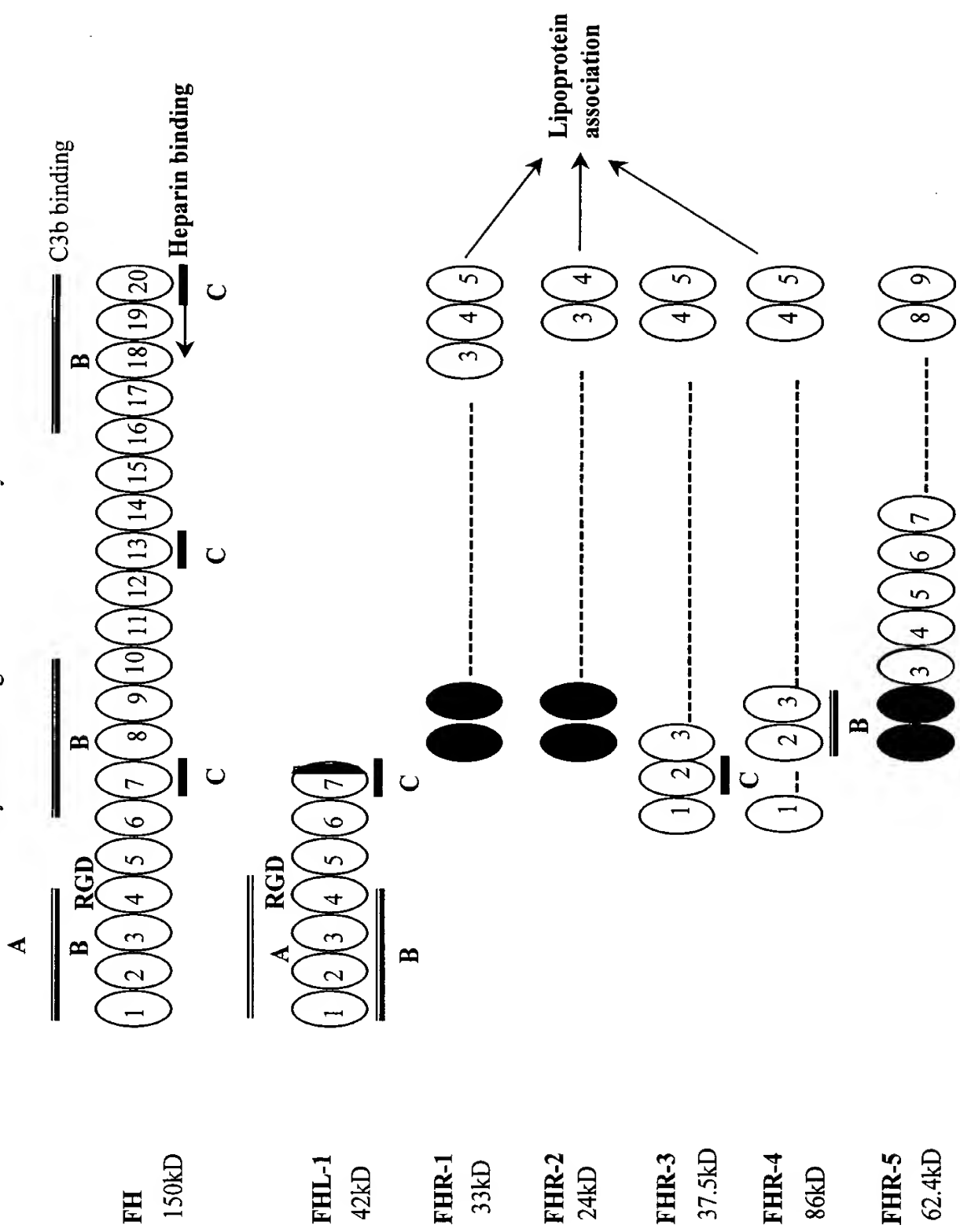


FIG. 6A

CAP Protein  
(2823bp/569AA)

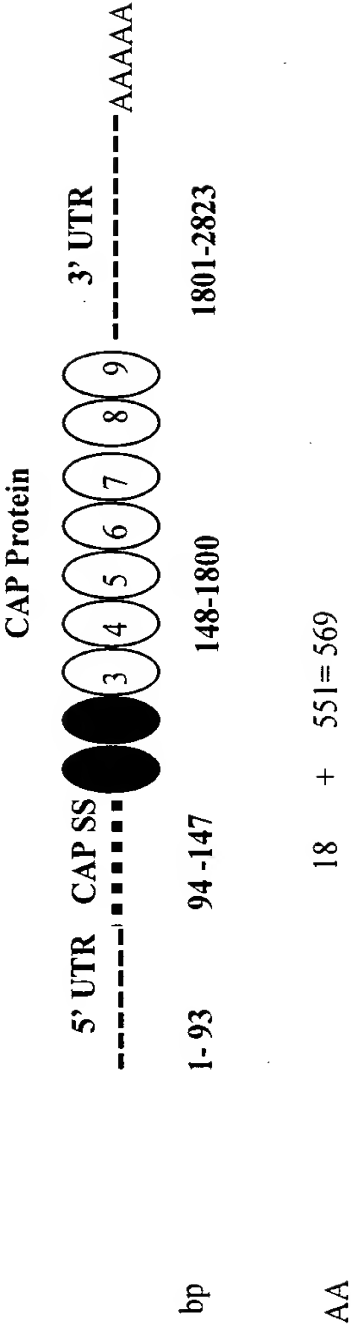


FIG. 7

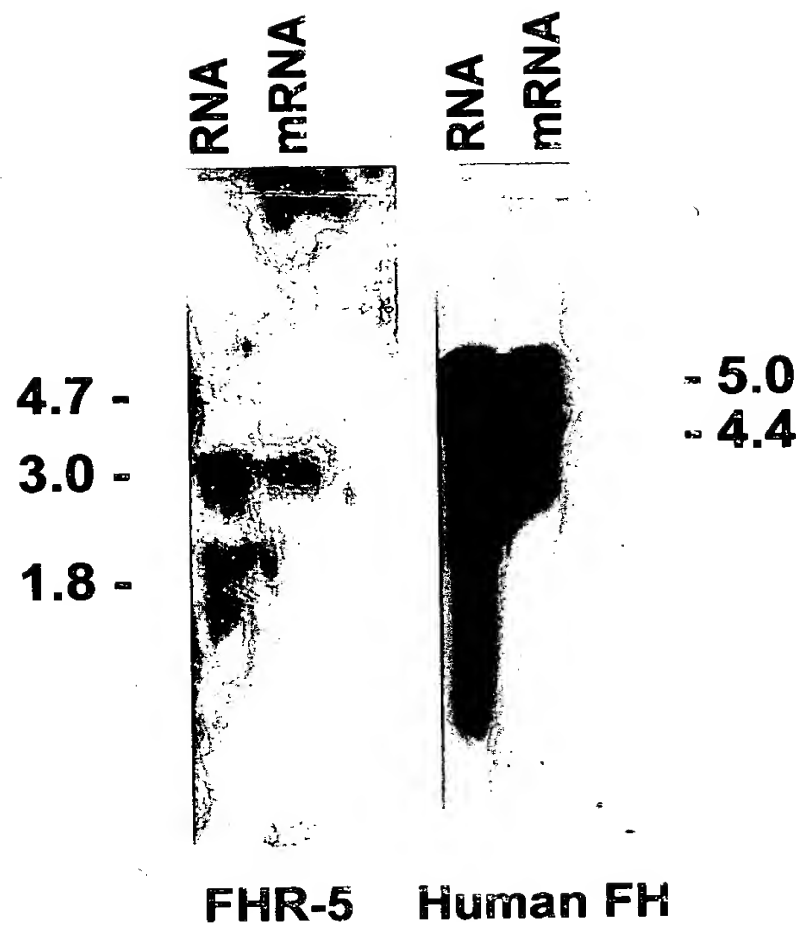


FIG. 8

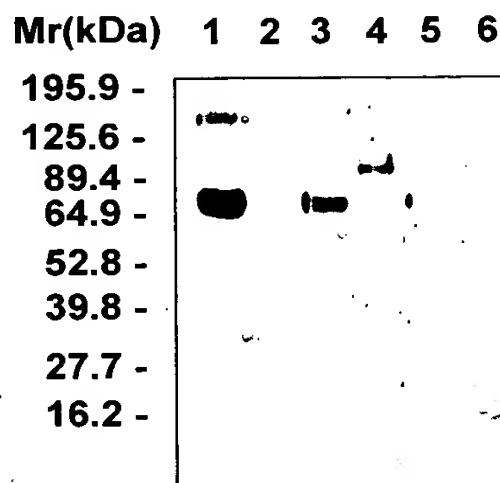


FIG. 9

Amino Acid  
Coordinates

EGTL	C	DF	P	KIHGFLYDEEDYNPFSQV	PT	G	EVFYYS	C	E	YNFVSPSKSFWTRIT	C	TEEG	W	SP	T	P	K	C	L	66		
RM	C	SF	P	FVRNGHSESSG	LIH	LE	G	DTVQII	C	N	TGYSLQNN	C	VERG	W	ST	P	P	I	C	SFT	125	
KGE	C	HV	P	I	LEANVDAQPK	KESY	KV	G	DVLKFS	C	R	KNLIRVGS	DSVQ	YQFG	W	SPN	F	P	T	C	K	184
GQVRS	C	GP	P	P	QLSNGEVKEIR	KEEY	GH	N	EWEYD	C	N	PNFIINGP	KKIQ	VDGE	W	TT	L	P	T	C	V	245
EQVKT	C	GY	I	P	ELEYGYVQPS	VPY	QH	G	VSVEVN	C	R	NEYAMIGN	NMIT	INGI	W	TE	L	P	M	C	V	305
ATHQLKR	C	KI	A	GVNIKTLLKLS	GKEF	NH	N	SRIRYR	C	S	DIFRYRHS	V	INGK	W	NP	E	V	D	C	T	T	364
EKREQF	C	PP	P	P	QIPNAQNMTT	TVNY	QD	G	EKVAVL	C	K	ENYLLPEA	KEIV	KDGR	W	QS	L	P	R	C	V	425
ESTAY	C	GP	P	P	SINNGDTTSFP	LSVY	PP	G	STVTYR	C	Q	SFYKLQGS	VTVT	RNKQ	W	SE	P	P	R	C	L	486
DP	C	VV	S	EENMNKNIQLKWR	NDGKLYAKT	G	DAVEFQ	C	KFPHKAMUSSPP	FRAI	C	QEGK	F	EY	P	I	C	E			551	



## FIG. 10

FHR-5	SCR	1	EGTLCDFPKIHGFLYDEEDYNPFQVPTGEVFFYYSCEYNFVSPSKSFWTRITCTEEGWSPTPKCL	% Homology
FHR-1	SCR	1	A F . . . . . N . . . . . K . K . . . . . N . . . . .	89.4%
FHR-2	SCR	1	AMF . . . . . N . . . . . K . K . . . . . A . . . . .	87.9%
FHR-5	SCR	2	RMCSFPFVKNGHSESSGLIHLEGDTVQIICNTGYSLQNNNEK NISCVERGWSTPPICSFT	
FHR-1	SCR	2	L F . . . . . E . . . . . QT . . . . . R . . . . . N . . . . . K . RS .	83.0%
FHR-2	SCR	2	L F . . . . . E . . . . . QT . . . . . R . . . . . N . . . . . K . RS .	83.0%
FHR-5	SCR	3	KGECHVPILEANVDAQPKKESYKVGDLKFSCRKNLIRVGSDSVQCYQFGWSPNFPCTK	
FH	SCR	10	ER . . EL KIDVHLVPDR . . . . . DQY . . . . . E . . . . . KPGFTI . . . . . PNS . . . . . H . . L . DL . I . .	47.5%
FHR-5	SCR	4	GQVRSCGPPQLSNGEVKEIRKEEYGHNEVVEYDCNPNFIINGPKKIQCVDGEWTTLPCTV	
FH	SCR	11	E . . . Q . . . . . E . L . N . . . . . KT . . . . . S . . . . . Y . . . . . R . LMK . N . . . . . V .	173.8%
FHR-5	SCR	5	EQVKTCGYIPELEYGYVQPSVPPYQHGVSVVEVNCRNEYAMIGNNMITCINGIWTELPMTV	
FH	SCR	12	VEES . . . . . D . . . . . H . WA . L . S . . . . . YY . D . . . . . F . . . . . SESFT . . . . . HRS . . . . . H . V . . Q . . Q . .	56.7%
FHR-5	SCR	6	ATHQLKRCKIAGVNIKTLLKLSGKEFNHNSRIRYRCSDFRYRHSVCINGKWNPEVDCT	
FH	SCR	13	IDK . . . . . K . . . . . SSNLI . LEEHLKNK . . . . . D . . . . . N . . . . . RGKEGW . T . . . . . R . . . . . D . . . . . N . S .	47.5%
FHR-5	SCR	7	EKREQFCPPQIPNAQNMITTVNYQDGEKVAVLCKENYLLPEAKEIVCKDGRWQSLPRCV	
FH	SCR	14	MAQI . L . . . . . SH . . . . . L . . . . . R . . . . . S . . . . . Q . . . . . IQ . GE . T . . . . . I . . . . . L . .	70.5
FHR-5	SCR	8	ESTAYCGPPPSINNGDTSFPLSVYPPGSTVTYRCQSFYKLGQSVTVTCRNKQWSEPPRCL	
FH	SCR	19	D . . GK . . . . . PID . . . . . I . . . . . A . A . S . E . Q . . NL . Q . E . NKRI . . . . . G . . . . . K . .	67.2%
FHR-1	SCR	4	D . . GK . . . . . PID . . . . . I . . . . . A . A . S . E . Q . . NL . Q . E . NKRI . . . . . G . . . . . K . .	62.3%
FHR-2	SCR	3	I . AE . . . . . G . . . . . PID . . . . . I . . . . . L . . . . . A . . . . . S . E . Q . . NL . Q . E . NNQI . . . . . G . . . . . K . .	63.9%
FHR-3	SCR	4	N . SEK . . . . . PIS . . . . . L . K . V . Q . R . E . Q . . . . . Y . E . . . . . NY . . . . . S . GE . . . . . A . . . . . I .	65.6%
FHR-4	SCR	4	N . SEK . . . . . PIS . . . . . L . K . V . Q . R . E . Q . . . . . Y . E . . . . . NY . . . . . S . GE . . . . . I .	63.9%
FHR-5	SCR	9	DPCVVSEENNMKNKNIQLKWRNDGKLYAKTGDAVEFQCKFPHKAMISSPPFRAICQEGKFEYPICE	
FH	SCR	20	H . . . . I . R . I . . . . ENY . . A . RWTAKQ . . . . . SR . . . . . ES . . . . . V . . . . . RGYRLSSRSHTL . TT . WD . L . . . . T . AKR	41.8%
FHR-1	SCR	5	H . . . . I . R . I . . . . ENY . . A . RWTAKQ . . . . . LR . . . . . ESAEFV . . . . . RGYRLSSRSHTL . TT . WD . L . . . . T . AKR	41.7%
FHR-2	SCR	4	D . . . . I . Q . I . . . . EKY . . K . KWT . KQ . . . . . SR . . . . . I . . . . . V . . . . . RGYHPTKS-HS . . AM . . . . . N . LV . . . . . S . EK	55.2%
FHR-3	SCR	5	H . . . . IIT . . . . . K . . . . . G . S . R . Y . . . . . TIEFM . . . . . LGYN . NTS-LS . Q . V . R . . IV . . . . . R . .	58.5%
FHR-4	SCR	5	H . . . . IIT . . . . . QLKGKS . . I . Y . . . . . TIEFM . . . . . LGYN . NTSVLS . Q . V . R . . IV . . . . . R . .	58.5%

FIG. 11A

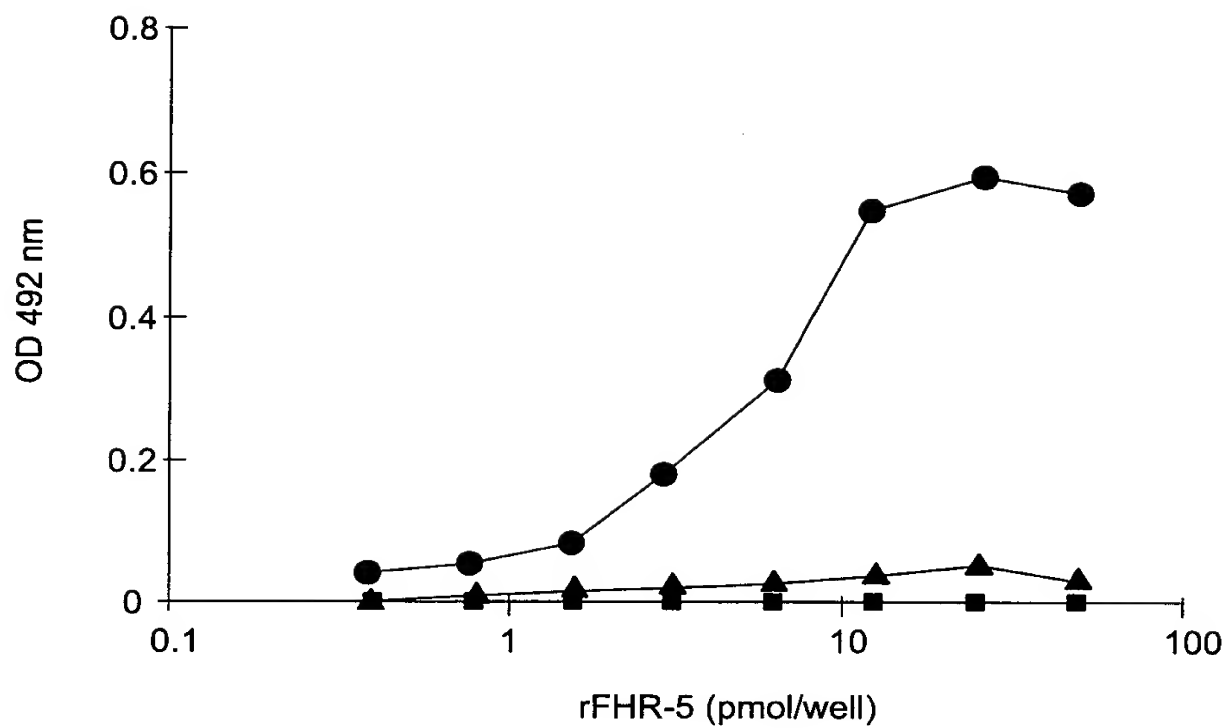


FIG. 11B

